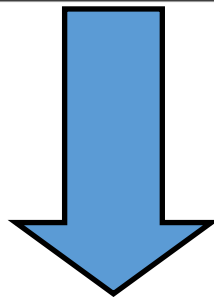


Number 1
Add and subtract integers and decimals
Multiply integers
Divide integers
Order of operation
MINI REVIEW
Multiply and divide decimals
Multiple and divide by powers of 10 (including decimals)
Round integers and decimal places
Order positive and negative numbers
Add and subtract negative numbers
Add and subtract negative decimals
OPEN BOOK ASSESSMENT

DEFINITION The order of operations is the order you work out the parts of an equation to give you the correct answer.	CHARACTERISTICS BIDMAS is an acronym used to tell you the correct order to complete equation when there are different operations. BIDMAS stands for Brackets, Indices, Division, Multiplication, Addition, Subtraction	DEFINITION: The result of multiplying two or more numbers or terms together.	CHARACTERISTICS: Linked words include times, multiply, factor... Multiplication does not always make numbers bigger
EXAMPLES $2 + 3 \times 6 = 20$ $4 + 2 \times 3^2 = 22$ $60 - (4^2 + 2 \times 5) = 34$	NON-EXAMPLES Incorrect Order of Operations $2^3 - 8 \div 4 \cdot 2 + 7$ $= 8 - 8 \div 4 \cdot 2 + 7$ $= 8 - 8 \div 8 + 7$ $= 8 - 1 + 7$ $= 7 + 7$ $= 14 \quad \times \text{Incorrect!}$ Multiplication first will lead to an incorrect answer in this example!	EXAMPLES: $2 \times 3 = 6$ $9 \times -3 = -27$ $\frac{1}{2} \times \frac{3}{4} = \frac{3}{8}$ $2a \times 2a = 4a^2$	NON-EXAMPLES: $6 + 4 = 10$ $15a \div 3 = 5a$ $\frac{4}{5} - \frac{1}{5} = \frac{3}{5}$

Fraction
Simplify fractions
Understand equivalent fractions
Convert mixed and improper fractions
Add and subtract fractions
Add and subtract mixed fractions
MINI REVIEW 1
Multiply and divide fractions
Find fraction amounts
MINI REVIEW 2



Percentage
Find 10% and multiples of 10%
Find percentages greater than 100%
Find more complex percentage amounts
MINI REVIEW (just percentages)
OPEN BOOK ASSESSMENT (All)

DEFINITION	CHARACTERISTICS	DEFINITION	CHARACTERISTICS
A fraction where the numerator is of an equal or larger magnitude than the denominator.	Denominator closer to, or an equal distance from, 0 compared to the numerator Positive improper fractions are greater than or equal to 1	A measure of the proportion of one whole, expressed as parts per 100.	Shown by the symbol % Equivalent to fractions with a denominator of 100.
EXAMPLES	NON-EXAMPLES	EXAMPLES	NON-EXAMPLES
$\frac{1}{1}$ 1 $\frac{16}{8}$ $\frac{101}{52}$ $\frac{5}{3}$ $\frac{8}{4}$ $\frac{12}{2}$ $\frac{20}{11}$ $\frac{2}{1}$	$\frac{8}{26}$ $\frac{2}{3}$ $\frac{7}{9}$ $\frac{9}{14}$ $\frac{3}{14}$ $1\frac{1}{2}$ $15\frac{5}{6}$ $3\frac{2}{3}$ $10\frac{6}{7}$ $5\frac{2}{5}$ $6\frac{11}{12}$	"Find 20% of ..." "Increase 37 kg by 2.6%" "A sale takes 33% off..." "Over its life, the height of a human increases by an average of 225%"	0.3 % $\frac{1}{4}$ 0.2356 1.4